Titles of Most Frequently Occurring Classifications of Patents Returne
d
From A Search of 09548849 on July 31, 2003

14   712/35   (9 OR, 5 XR)
         Class   712 :   ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS: PROCESSING ARCHITECTURES AND   INS
TRUCTION
                          PROCESSING
         712/1   PROCESSING ARCHITECTURE
         712/32   .Microprocessor or multichip or multimodule
                             processor having sequential program contr
ol
         712/34   .   ..Including coprocessor
         712/35   ...Digital Signal processor

  6   712/36   (3 OR, 3 XR)
         Class   712 :   ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS: PROCESSING ARCHITECTURES AND   INS
TRUCTION
                          PROCESSING
         712/1   PROCESSING ARCHITECTURE
         712/32   .Microprocessor or multichip or multimodule
                             processor having sequential program contro
l
         712/36   ..Application specific

  5   341/143   (2 OR, 3 XR)
         Class   341 :   CODED DATA GENERATION OR CONVERSION
         341/126   ANALOG TO OR FROM DIGITAL CONVERSION
         341/143   .Differential encoder and/or decoder (e.g.,
                             delta modulation, differential pulse code m
odulation)

  5   712/32   (2 OR, 3 XR)
         Class   712 :   ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS: PROCESSING ARCHITECTURES AND   INS
TRUCTION
                          PROCESSING
         712/1   PROCESSING ARCHITECTURE
         712/32   .Microprocessor or multichip or multimodule
                             processor having sequential program control

  4   345/503   (1 OR, 3 XR)
         Class   345 :   COMPUTER GRAPHICS PROCESSING, OPERATOR
                          INTERFACE PROCESSING, AND SELECTIVE VISUAL

DISPLAY

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                        SYSTEMS
       345/501          COMPUTER GRAPHIC PROCESSING SYSTEM
       345/502          .Plural graphics processors
       345/503          ..Coprocessor (e.g., graphic accelerator)


3   84/604          (0 OR, 3 XR)
       Class   084 :  MUSIC
       84/1             INSTRUMENTS
       84/600           .Electrical musical tone generation
       84/601           ..Data storage
       84/602           ...Digital memory circuit (e.g., RAM, ROM,
                           etc.)
       84/604           ....Waveform memory


3   341/144         (0 OR, 3 XR)
       Class   341 :  CODED DATA GENERATION OR CONVERSION
       341/126          ANALOG TO OR FROM DIGITAL CONVERSION
       341/144          .Digital to analog conversion


3   341/172         (0 OR, 3 XR)
       Class   341 :  CODED DATA GENERATION OR CONVERSION
       341/126          ANALOG TO OR FROM DIGITAL CONVERSION
       341/155          .Analog to digital conversion
       341/172          ..Using charge transfer devices (e.g., charge
                           coupled devices, charge transfer by switche
d capacitances)


3   375/295         (1 OR, 2 XR)
       Class   375 :  PULSE OR DIGITAL COMMUNICATIONS
       375/295          TRANSMITTERS


3   375/350         (1 OR, 2 XR)
       Class   375 :  PULSE OR DIGITAL COMMUNICATIONS
       375/316          RECEIVERS
       375/346          .Interference or noise reduction
       375/350          ..By filtering (e.g., digital)


3   700/2           (0 OR, 3 XR)
       Class   700 :  DATA PROCESSING:  GENERIC CONTROL SYSTEMS OR
                           SPECIFIC APPLICATIONS
       700/1            GENERIC CONTROL SYSTEM, APPARATUS OR PROCESS
       700/2            .Plural processors


3   704/500         (1 OR, 2 XR)
       Class   704 :  DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                           LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
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COMPRESSION/DECOMPRESSION
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         704/500          AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSIO
N
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   3  708/313          (1 OR, 2 XR)
         Class    708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                             AND CALCULATING
         708/100          ELECTRICAL DIGITAL CALCULATING COMPUTER
         708/200          .Particular function performed
         708/300          ..Filtering
         708/313          ...Decimation/interpolation
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   3  708/320          (3 OR, 0 XR)
         Class    708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                             AND CALCULATING
         708/100          ELECTRICAL DIGITAL CALCULATING COMPUTER
         708/200          .Particular function performed
         708/300          ..Filtering
         708/320          ...Recursive
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   3  708/523.         (0 OR, 3 XR)
         Class    708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                             AND CALCULATING
         708/100          ELECTRICAL DIGITAL CALCULATING COMPUTER
         708/200          .Particular function performed
         708/490          ..Arithmetical operation
         708/523          ...Multiplication followed by addition (i.e.,
                             x*y+z)
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   3  712/37           (1 OR, 2 XR)
         Class    712 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                             SYSTEMS:  PROCESSING ARCHITECTURES AND   INS
TRUCTION
                             PROCESSING
         712/1            PROCESSING ARCHITECTURE
         712/32           .Microprocessor or multichip or multimodule
                             processor having sequential program contro
l
         712/37           ..Programmable (e.g., EPROM)
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   2  84/621           (0 OR, 2 XR)
         Class    084 :  MUSIC
         84/1             INSTRUMENTS
         84/600           .Electrical musical tone generation
         84/601           ..Data storage
         84/602           ...Digital memory circuit (e.g., RAM, ROM,
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                              etc.)
        84/621            ....Noise reduction (e.g., error prevention)

2    84/622          (2 OR, 0 XR)
        Class    084 :  MUSIC
        84/1              INSTRUMENTS
        84/600            .Electrical musical tone generation
        84/601            ..Data storage
        84/602            ...Digital memory circuit (e.g., RAM, ROM,
                              etc.)
        84/622            ....Tone synthesis or timbre control

2    84/627          (1 OR, 1 XR)
        Class    084 :  MUSIC
        84/1              INSTRUMENTS
        84/600            .Electrical musical tone generation
        84/601            ..Data storage
        84/602            ...Digital memory circuit (e.g., RAM, ROM,
                              etc.)
        84/626            ....Expression or special effects (e.g., force
                              or velocity responsive, etc.)
        84/627            .....Envelope shaping (i.e., attack, decay,
                              sustain, or release)

2    326/40          (0 OR, 2 XR)
        Class    326 :  ELECTRONIC DIGITAL LOGIC CIRCUITRY
        326/37            MULTIFUNCTIONAL OR PROGRAMMABLE (E.G.,
                              UNIVERSAL, ETC.)
        326/39            .Array (e.g., PLA, PAL, PLD, etc.)
        326/40            ..With flip-flop or sequential device

2    326/41          (0 OR, 2 XR)
        Class    326 :  ELECTRONIC DIGITAL LOGIC CIRCUITRY
        326/37            MULTIFUNCTIONAL OR PROGRAMMABLE (E.G.,
                              UNIVERSAL, ETC.)
        326/39            .Array (e.g., PLA, PAL, PLD, etc.)
        326/41            ..Significant integrated structure, layout, or
                              layout interconnections

2    327/557         (2 OR, 0 XR)
        Class    327 :  MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
                              DEVICES, CIRCUITS, AND SYSTEMS
        327/524           SPECIFIC IDENTIFIABLE DEVICE, CIRCUIT, OR
                              SYSTEM
        327/551           .Unwanted signal suppression
        327/552           ..Active filter
        327/557           ...Bandpass
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2  330/51          (0 OR, 2 XR)
      Class    330 :  AMPLIFIERS
      330/51          COMBINED WITH AUTOMATIC AMPLIFIER DISABLING
                         SWITCH MEANS

2  330/9           (0 OR, 2 XR)
      Class    330 :  AMPLIFIERS
      330/9           WITH PERIODIC SWITCHING INPUT-OUTPUT (E.G., FO
R
                      DRIFT CORRECTION)

2  341/110         (2 OR, 0 XR)
      Class    341 :  CODED DATA GENERATION OR CONVERSION
      341/110         ANALOG TO DIGITAL CONVERSION FOLLOWED BY
                         DIGITAL TO ANALOG CONVERSION

2  341/118         (1 OR, 1 XR)
      Class    341 :  CODED DATA GENERATION OR CONVERSION
      341/118         CONVERTER COMPENSATION

2  341/139         (2 OR, 0 XR)
      Class    341 :  CODED DATA GENERATION OR CONVERSION
      341/126         ANALOG TO OR FROM DIGITAL CONVERSION
      341/138         .Nonlinear
      341/139         ..Automatic control for increasing converter
                         range (e.g., gain ranging, automatic gain c
ontrol)

2  341/155         (0 OR, 2 XR)
      Class    341 :  CODED DATA GENERATION OR CONVERSION
      341/126         ANALOG TO OR FROM DIGITAL CONVERSION
      341/155         .Analog to digital conversion

2  341/61          (2 OR, 0 XR)
      Class    341 :  CODED DATA GENERATION OR CONVERSION
      341/50          DIGITAL CODE TO DIGITAL CODE CONVERTERS
      341/61          .Data rate conversion

2  345/505         (1 OR, 1 XR)
      Class    345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                         INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY
                      SYSTEMS
      345/501         COMPUTER GRAPHIC PROCESSING SYSTEM
      345/502         .Plural graphics processors
      345/505         ..Parallel processors (e.g., identical
                         processors)
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2   345/522        (0 OR, 2 XR)
      Class   345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                     INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY
                     SYSTEMS
      345/501        COMPUTER GRAPHIC PROCESSING SYSTEM
      345/522        .Graphic command processing


2   345/582        (2 OR, 0 XR)
      Class   345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                     INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY
                     SYSTEMS
      345/418        COMPUTER GRAPHICS PROCESSING
      345/581        .Attributes (surface detail or characteristic,
                        display attributes)
      345/582        ..Texture


2   345/600        (0 OR, 2 XR)
      Class   345 :  COMPUTER GRAPHICS PROCESSING, OPERATOR
                     INTERFACE PROCESSING, AND SELECTIVE VISUAL
DISPLAY
                     SYSTEMS
      345/418        COMPUTER GRAPHICS PROCESSING
      345/581        .Attributes (surface detail or characteristic,
                        display attributes)
      345/589        ..Color or intensity
      345/600        ...Color bit data modification or conversion


2   370/338        (0 OR, 2 XR)
      Class   370 :  MULTIPLEX COMMUNICATIONS
      370/310        COMMUNICATION OVER FREE SPACE
      370/328        .Having a plurality of contiguous regions
                        served by respective fixed stations
      370/338        ..Contiguous regions interconnected by a local
                        area network


2   370/429        (0 OR, 2 XR)
      Class   370 :  MULTIPLEX COMMUNICATIONS
      370/351        PATHFINDING OR ROUTING
      370/428        .Store and forward
      370/429        ..Particular storing and queuing arrangement


2   375/345        (0 OR, 2 XR)
      Class   375 :  PULSE OR DIGITAL COMMUNICATIONS
      375/316        RECEIVERS
      375/345        .Automatic gain control
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2 375/377   (1 OR, 1 XR)
      Class   375 : PULSE OR DIGITAL COMMUNICATIONS
      375/377   MISCELLANEOUS

2 380/270   (1 OR, 1 XR)
      Class   380 : CRYPTOGRAPHY
      380/255   COMMUNICATION SYSTEM USING CRYPTOGRAPHY
      380/270   .Wireless communication

2 382/304   (0 OR, 2 XR)
      Class   382 : IMAGE ANALYSIS
      382/276   IMAGE TRANSFORMATION OR PREPROCESSING
      382/302   .Multilayered image transformations
      382/304   ..Parallel processing

2 704/501   (0 OR, 2 XR)
      Class   704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                      LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

                      COMPRESSION/DECOMPRESSION
      704/500   AUDIO SIGNAL BANDWIDTH COMPRESSION OR EXPANSIO
N

      704/501   .With content reduction encoding

2 704/504   (0 OR, 2 XR)
      Class   704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
                      LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO

                      COMPRESSION/DECOMPRESSION
      704/503   AUDIO SIGNAL TIME COMPRESSION OR EXPANSION
                        (E.G., RUN LENGTH CODING)
      704/504   .With content reduction encoding

2 708/230   (2 OR, 0 XR)
      Class   708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
                        AND CALCULATING
      708/100   ELECTRICAL DIGITAL CALCULATING COMPUTER
      708/200   .Particular function performed
      708/230   ..Multifunctional

2 708/232   (0 OR, 2 XR)
      Class   708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
                        AND CALCULATING
      708/100   ELECTRICAL DIGITAL CALCULATING COMPUTER
      708/200   .Particular function performed
      708/230   ..Multifunctional
      708/232   ...Array of elements (e.g., AND/OR array, etc.

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2  708/301        (0 OR, 2 XR)
      Class   708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                        AND CALCULATING
      708/100          ELECTRICAL DIGITAL CALCULATING COMPUTER
      708/200          .Particular function performed
      708/300          ..Filtering
      708/301          ...Tapped delay line

2  708/319        (1 OR, 1 XR)
      Class   708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                        AND CALCULATING
      708/100          ELECTRICAL DIGITAL CALCULATING COMPUTER
      708/200          .Particular function performed
      708/300          ..Filtering
      708/319          ...Transversal

2  708/322        (0 OR, 2 XR)
      Class   708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                        AND CALCULATING
      708/100          ELECTRICAL DIGITAL CALCULATING COMPUTER
      708/200          .Particular function performed
      708/300          ..Filtering
      708/322          ...Adaptive

2  710/100        (1 OR, 1 XR)
      Class   710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
                        PROCESSING SYSTEMS:  INPUT/OUTPUT
      710/100          INTRASYSTEM CONNECTION (E.G., BUS AND BUS
                        TRANSACTION PROCESSING)

2  710/20         (0 OR, 2 XR)
      Class   710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
                        PROCESSING SYSTEMS:  INPUT/OUTPUT
      710/1            INPUT/OUTPUT DATA PROCESSING
      710/20           .Concurrent Input/Output processing and data
                        transfer

2  710/22         (1 OR, 1 XR)
      Class   710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
                        PROCESSING SYSTEMS:  INPUT/OUTPUT
      710/1            INPUT/OUTPUT DATA PROCESSING
      710/22           .Direct Memory Accessing (DMA)

2  710/5          (2 OR, 0 XR)
      Class   710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
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PROCESSING SYSTEMS: INPUT/OUTPUT

```
        710/1        INPUT/OUTPUT DATA PROCESSING
        710/5        .Input/Output command process
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2   711/118       (0 OR, 2 XR)
        Class   711 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                         SYSTEMS: MEMORY
        711/100         STORAGE ACCESSING AND CONTROL
        711/117         .Hierarchical memories
        711/118         ..Caching
```

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2   711/147       (0 OR, 2 XR)
        Class   711 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                         SYSTEMS: MEMORY
        711/100         STORAGE ACCESSING AND CONTROL
        711/147         .Shared memory area
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2   711/168       (0 OR, 2 XR)
        Class   711 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                         SYSTEMS: MEMORY
        711/100         STORAGE ACCESSING AND CONTROL
        711/167         .Access timing
        711/168         ..Concurrent accessing
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2   711/217       (0 OR, 2 XR)
        Class   711 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                         SYSTEMS: MEMORY
        711/200         ADDRESS FORMATION
        711/217         .Generating a particular pattern/sequence of
                          addresses
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2   711/220       (2 OR, 0 XR)
        Class   711 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                         SYSTEMS: MEMORY
        711/200         ADDRESS FORMATION
        711/220         .Combining two or more values to create addres
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s

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2   712/1         (2 OR, 0 XR)
        Class   712 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                         SYSTEMS:  PROCESSING ARCHITECTURES AND    INS
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TRUCTION
```
                         PROCESSING
        712/1           PROCESSING ARCHITECTURE
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2   712/200       (0 OR, 2 XR)
        Class   712 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
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SYSTEMS: PROCESSING ARCHITECTURES AND   INS
TRUCTION

PROCESSING
                712/200   ARCHITECTURE BASED INSTRUCTION PROCESSING

  2 712/22   (0 OR, 2 XR)
        Class   712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS: PROCESSING ARCHITECTURES AND   INS
TRUCTION

                        PROCESSING
        712/1   PROCESSING ARCHITECTURE
        712/10   .Array processor
        712/16   ..Array processor operation
        712/22   ...Single instruction, multiple data (SIMD)

  2 712/221   (0 OR, 2 XR)
        Class   712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS: PROCESSING ARCHITECTURES AND   INS
TRUCTION

                        PROCESSING
        712/220   PROCESSING CONTROL
        712/221   .Arithmetic operation instruction processing

  2 712/28   (1 OR, 1 XR)
        Class   712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS: PROCESSING ARCHITECTURES AND   INS
TRUCTION

                        PROCESSING
        712/1   PROCESSING ARCHITECTURE
        712/28   .Distributed processing system

  2 712/34   (0 OR, 2 XR)
        Class   712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS: PROCESSING ARCHITECTURES AND   INS
TRUCTION

                        PROCESSING
        712/1   PROCESSING ARCHITECTURE
        712/32   .Microprocessor or multichip or multimodule
                         processor having sequential program contro
l
        712/34   ..Including coprocessor

  2 712/42   (1 OR, 1 XR)
        Class   712 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                        SYSTEMS: PROCESSING ARCHITECTURES AND   INS
TRUCTION

                        PROCESSING
        712/1   PROCESSING ARCHITECTURE

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      712/32        .Microprocessor or multichip or multimodule
                      processor having sequential program contro
1
      712/42        ..Operation

2  715/500.1     (0 OR, 2 XR)
      Class   715 :  DATA PROCESSING:  PRESENTATION PROCESSING OF
                      DOCUMENT
      715/500.1     SYNCHRONIZATION OF DIVERSE MEDIA
```